Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/24/2020 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125674	0	3.57	125802	3.60
Blue	F	SSC	125000	124945	-1	2.22	125627	2.14
Blue	E	FITC	15892	15403	-4	2.97	336	21.36
Blue	D	PE	29999	29140	-3	2.08	631	15.73
Blue	B	PerCP-Cy5-5	43732	43351	-1	3.87	1164	21.62
Blue	A	PE-Cy7	30845	30912	0	6.47	592	43.58
Red	C	APC	46112	45336	-2	2.51	1601	12.22
Red	A	APC-Cy7	30458	29477	-4	2.40	780	12.19
Violet	B	V450	7918	7592	-5	4.13	442	13.02
Violet	A	V500	32171	31644	-2	3.85	745	10.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16707	21.05	641	20	N/A	N/A	Pass
Blue	F	SSC	57735	1.44	576	17	N/A	N/A	Pass
Blue	E	FITC	61	68.96	551	8	0.0177	175	Pass
Blue	D	PE	134	50.47	557	9	0.1308	210	Pass
Blue	B	PerCP-Cy5-5	215	51.06	665	9	0.0079	7	Pass
Blue	A	PE-Cy7	109	111.68	711	13	0.0097	27	Pass
Red	C	APC	385	25.63	588	4	0.0243	179	Pass
Red	A	APC-Cy7	172	28.63	557	1	0.0052	669	Pass
Violet	B	V450	67	58.87	463	5	0.0492	2059	Pass
Violet	A	V500	110	34.73	479	5	0.0242	1031	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.47	-32.10	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.37	13.60 - 20.40	N/A	N/A	29.46	29.96	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9924

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments